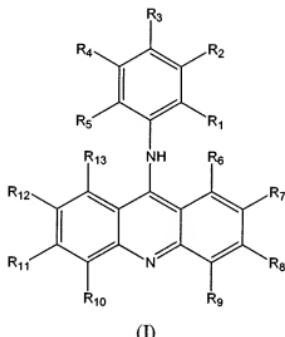


Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently amended) A compound having formula (I):



wherein,

each of R₁, R₂, R₃, R₄, R₅, R₆, R₇, R₈, R₉, R₁₀, R₁₁, R₁₂, and R₁₃ is, independently, hydrogen, halo, nitro, C₁-C₆ alkyl, C₁-C₆ alkoxy, C₁-C₆ hydroxalkyl, CONHR^a, NR^bR^c, CONH(CH₂)_mNR^bR^c, L-N(CH₂CH₂Cl)₂, or a DNA minor groove binder;

L is (CH₂)_p or O(CH₂)_q;

m is 1, 2, 3, or 4;

p is 0, 1, 2, 3, or 4;

q is 1, 2, 3, 4, 5, 6, 7, or 8;

in which, R^a is C₁-C₆ alkyl; each of R^b and R^c is, independently, hydrogen, C₁-C₆ alkyl, COR^d, or COOR^d; R^d is C₁-C₆ alkyl, C₆-C₁₀ aryl, or C₇-C₁₂ aralkyl; and

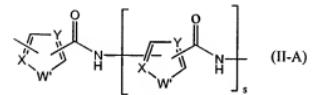
the DNA minor groove binder is -CONH(CH₂)_r-J-W-(CH₂)_sR^e, wherein:

r is 1, 2, 3, 4, or 5;

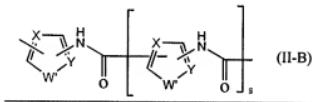
t is 1, 2, 3, 4, 5, or 6

J is -CONH- or -NHCO-;

W is a heteroaryl group having the following formula (II-A) or (II-B);



or



s is 0, 1, 2, 3, or 4;

W' is NR^g, O, or S;

each of X and Y is, independently, N or CR^f;

each of R^f and R^g is, independently, hydrogen or C₁-C₆ alkyl;

R^e is NR^bR^c, NHCHO, or NHC(=NH)NH₂;

each of R^b and R^c is, independently, hydrogen, C₁-C₆ alkyl, COR^d, or

COOR^d, in which R^d is C₁-C₆ alkyl, C₆-C₁₀ aryl or C₇-C₁₂ aralkyl;

and provided that at least one of R₁, R₂, R₃, R₄, R₅, R₆, R₇, R₈, R₉, R₁₀, R₁₁, R₁₂, and R₁₃ is L-N(CH₂CH₂Cl)₂, or a salt thereof.

2. (Original) The compound of claim 1, wherein L is (CH₂)_p.

3. (Original) The compound of claim 2, wherein p is 0 or 1.

4. (Original) The compound of claim 1, wherein L is O(CH₂)_q.

5. (Original) The compound of claim 4, wherein q is 2 or 4.

6. (Original) The compound of claim 1, wherein one of R₁, R₂, R₃, R₄, or R₅ is L-N(CH₂CH₂Cl)₂.
7. (Original) The compound of claim 6, wherein R₂ or R₃ is L-N(CH₂CH₂Cl)₂.
8. (Original) The compound of claim 7, wherein R₂ is L-N(CH₂CH₂Cl)₂.
9. (Original) The compound of claim 8, wherein L is (CH₂)_p.
10. (Original) The compound of claim 9, wherein p is 0 or 1.
11. (Original) The compound of claim 8, wherein L is -O(CH₂)_q-.
12. (Original) The compound of claim 11, wherein q is 2 or 4.
13. (Currently amended) The compound of claim 8, wherein each of R₁, R₃, R₄, and R₅ is, independently, hydrogen, C₁-C₆ alkyl, C₁-C₆ alkoxy, or C₁-C₆ hydroxyalkyl.
14. (Original) The compound of claim 13, wherein R₄ is C₁-C₆ hydroxyalkyl.
15. (Original) The compound of claim 14, wherein R₄ is CH₂OH.
16. (Original) The compound of claim 13, wherein each of R₁, R₃, R₄, and R₅ is hydrogen.
17. (Original) The compound of claim 7, wherein R₃ is L-N(CH₂CH₂Cl)₂.
18. (Original) The compound of claim 17, wherein L is (CH₂)_p.
19. (Original) The compound of claim 18, wherein p is 0 or 1.

20. (Original) The compound of claim 17, wherein L is -O(CH₂)_q-.
21. (Original) The compound of claim 20, wherein q is 2 or 4.
22. (Currently amended) The compound of claim 17, wherein each of R₁, R₂, R₄, and R₅ is, independently, hydrogen, C₁-C₆ alkyl, C₄-C₆ alkoxy, or C₁-C₆ hydroxyalkyl.
23. (Original) The compound of claim 21, wherein each of R₁, R₂, R₄, and R₅ is hydrogen.
24. (Currently amended) The compound of claim 6, wherein each of R₆, R₇, R₈, R₉, R₁₀, R₁₁, R₁₂, and R₁₃ is, independently, hydrogen, halo, nitro, C₁-C₆ alkyl, C₄-C₆ alkoxy, CONHR^a, CONH(CH₂)_mNR^bR^c, L-N(CH₂CH₂Cl)₂, or a DNA minor groove binder.
25. (Original) The compound of claim 24, wherein each of R₆, R₇, R₈, R₉, R₁₀, R₁₁, R₁₂, and R₁₃ is, independently, hydrogen, C₁-C₆ alkyl, CONH(CH₂)_mNR^bR^c, L-N(CH₂CH₂Cl)₂, or a DNA minor groove binder.
26. (Original) The compound of claim 25, wherein one of R₉ and R₁₀ is CONH(CH₂)_mNR^bR^c, L-N(CH₂CH₂Cl)₂, or a DNA minor groove binder, and the other is C₁-C₆ alkyl or hydrogen.
27. (Original) The compound of claim 26, wherein one of R₉ and R₁₀ is CONH(CH₂)_mNR^bR^c and the other is C₁-C₆ alkyl or hydrogen.
28. (Original) The compound of claim 27, wherein one of R₉ and R₁₀ is CONH(CH₂)₂N(CH₃)₂ and the other is CH₃ or hydrogen.

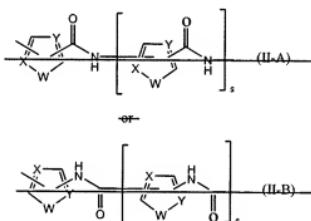
29. (Original) The compound of claim 26, wherein one of R₉ and R₁₀ is L-N(CH₂CH₂Cl)₂ and the other is C₁-C₆ alkyl or hydrogen.

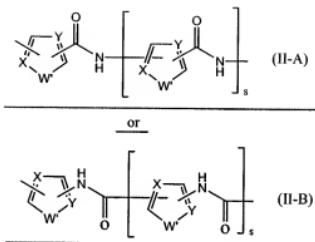
30. (Original) The compound of claim 29, wherein one of R₉ and R₁₀ is N(CH₂CH₂Cl)₂ or CH₂N(CH₂CH₂Cl)₂ and the other is CH₃ or hydrogen.

31. (Original) The compound of claim 29, wherein one of R₉ and R₁₀ is O(CH₂)₂N(CH₂CH₂Cl)₂ or O(CH₂)₄N(CH₂CH₂Cl)₂ and the other is CH₃ or hydrogen.

32. (Original) The compound of claim 26, wherein one of R₉ and R₁₀ is a DNA minor groove binder and the other is C₁-C₆ alkyl or hydrogen.

33. (Currently amended) The compound of claim 32, wherein one of R₉ and R₁₀ is CONH(CH₂)_r-J-W-(CH₂)_tR^e and the other is CH₃ or hydrogen; wherein r is 1, 2, 3, 4, or 5; t is 1, 2, 3, or 4, 5, or 6; J is -CONH- or -NHCO-; W is:

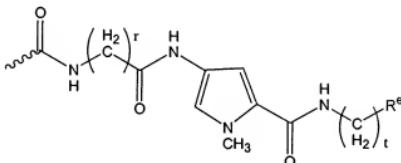




in which s is 0, 1, 2, 3, or 4; each of X and Y is, independently, N or CR^f and [[W]] W' is NR^g, O, or S; R^e is NR^bR^c, NHCHO, or NHC(=NH)NH₂; each of R^b and R^c is, independently, hydrogen, C₁-C₆ alkyl, COR^d, or COOR^d; and each of R^f and R^g is, independently, hydrogen or C₁-C₆ alkyl.

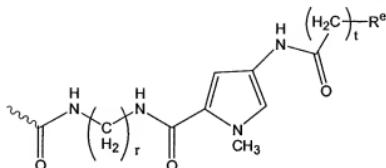
34. (Currently amended) The compound of claim 33, wherein s is 0, each of X and Y is CH, and [[W]] W' is NCH₃.

35. (Original) The compound of claim 34, wherein one of R₉ and R₁₀ is:



36. (Original) The compound of claim 35, wherein r and t are both 3, and R^e is N(CH₃)₂, NHCHO, or NHC(=NH)NH₂.

37. (Original) The compound of claim 34, wherein one of R₉ and R₁₀ is:



38. (Original) The compound of claim 36, wherein r and t are both 3, and R^e is N(CH₃)₂, NHCHO, or NHC(=NH)NH₂.

39. (Original) The compound of claim 24, wherein each of R₆, R₇, R₈, R₉, R₁₀, R₁₁, R₁₂, and R₁₃ is hydrogen.

40. (Original) The compound of claim 1, wherein one of R₆, R₇, R₈, R₉, R₁₀, R₁₁, R₁₂, and R₁₃ is L-N(CH₂CH₂Cl)₂.

41. (Original) The compound of claim 40, wherein R₉ is L-N(CH₂CH₂Cl)₂.

42. (Original) The compound of claim 41, wherein L is (CH₂)_p.

43. (Original) The compound of claim 42, wherein p is 0 or 1.

44. (Original) The compound of claim 41, wherein L is -O(CH₂)_q-.

45. (Original) The compound of claim 44, wherein q is 2 or 4.

46. (Currently amended) The compound of claim 41, wherein each of R₆, R₇, R₈, R₁₀, R₁₁, R₁₂, and R₁₃ is, independently, hydrogen, halo, nitro, or C₁-C₆ alkyl, or C₄-C₆ alkoxy.

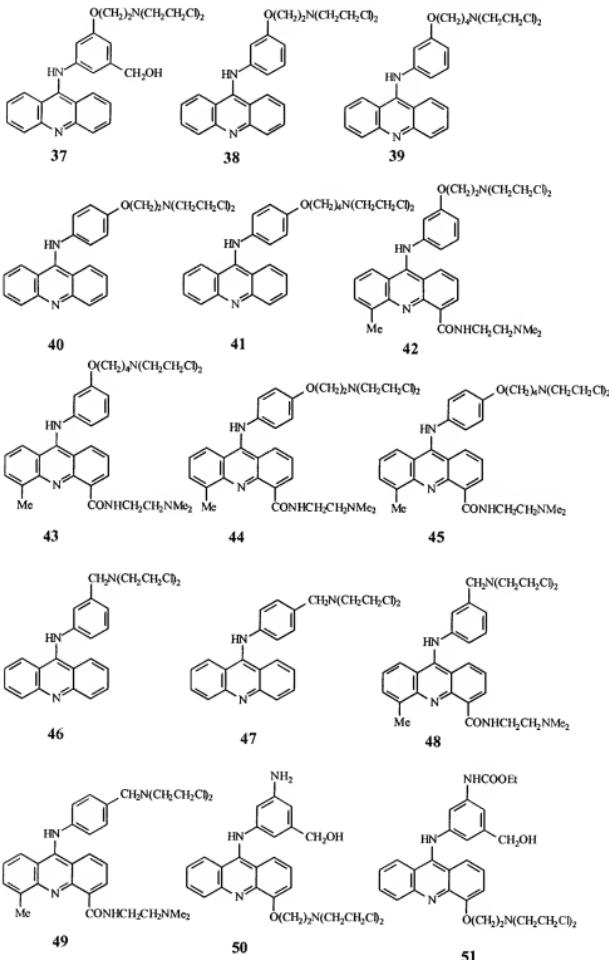
47. (Currently amended) The compound of claim 40, wherein each of R₁, R₂, R₃, R₄, or R₅ is, independently, hydrogen, C₁-C₆ alkyl, C₁-C₆-alkoxy, C₁-C₆ hydroxyalkyl, or NR^bR^c.

48. (Previously presented) The compound of claim 47, wherein R₂ is NR^bR^c and R₄ is C₁-C₆ hydroxyalkyl.

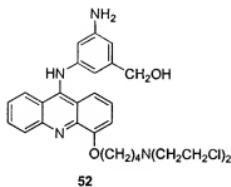
49. (Original) The compound of claim 48, wherein R₂ is NH₂ or NHCOOCH₂CH₃.

50. (Original) The compound of claim 48, wherein R₄ is CH₂OH.

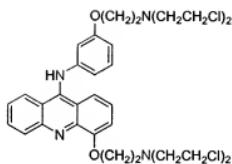
51. (Previously presented) The compound of claim 1, wherein the compound



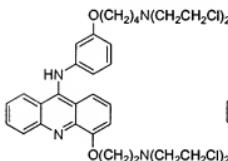
is:



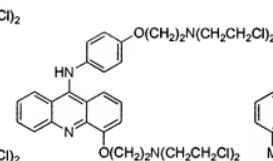
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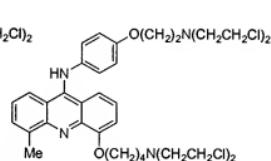
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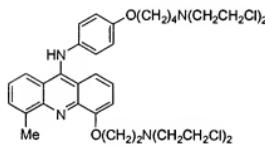
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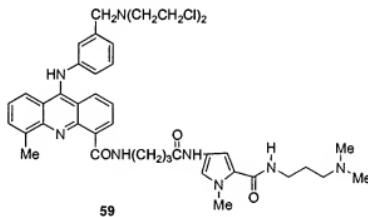
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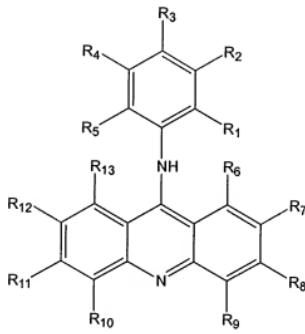


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52. (Currently amended) A pharmaceutical composition comprising a compound of formula (I) and a pharmaceutically acceptable carrier:



wherein,

each of R₁, R₂, R₃, R₄, R₅, R₆, R₇, R₈, R₉, R₁₀, R₁₁, R₁₂, and R₁₃ is, independently, hydrogen, halo, nitro, C₁-C₆ alkyl, C₄-C₆ alkoxy, C₁-C₆ hydroxalkyl, CONHR^a, NR^bR^c, CONH(CH₂)_mNR^bR^c, L-N(CH₂CH₂Cl)₂, or a DNA minor groove binder;

L is (CH₂)_p or O(CH₂)_q;

m is 1, 2, 3, or 4;

p is 0, 1, 2, 3, or 4;

q is 1, 2, 3, 4, 5, 6, 7, or 8;

in which, R^a is C₁-C₆ alkyl; each of R^b and R^c is, independently, hydrogen, C₁-C₆ alkyl, COR^d, or COOR^d; R^d is C₁-C₆ alkyl, C₆-C₁₀ aryl, or C₇-C₁₂ aralkyl; and

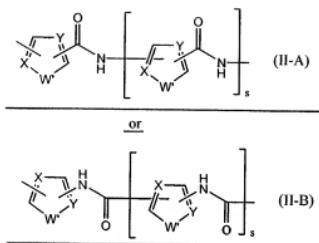
the DNA minor groove binder is -CONH(CH₂)_rJ-W-(CH₂)_tR^e, wherein:

r is 1, 2, 3, 4, or 5;

t is 1, 2, 3, 4, 5, or 6

J is -CONH- or -NHCO-;

W is a heteroaryl group having the following formula (II-A) or (II-B);



s is 0, 1, 2, 3, or 4;

W' is NR^g, O, or S;

each of X and Y is, independently, N or CR^f;

each of R^f and R^g is, independently, hydrogen or C₁-C₆ alkyl;

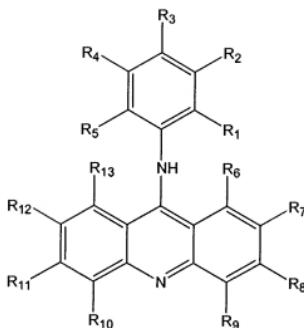
R^e is NR^bR^c, NHCHO, or NHC(=NH)NH₂; and

each of R^b and R^c is, independently, hydrogen, C₁-C₆ alkyl, COR^d, or

COOR^d, in which R^d is C₁-C₆ alkyl, C₆-C₁₀ aryl or C₇-C₁₂ aralkyl; and

provided that at least one of R₁, R₂, R₃, R₄, R₅, R₆, R₇, R₈, R₉, R₁₀, R₁₁, R₁₂, and R₁₃ is L-N(CH₂CH₂Cl)₂; or a pharmaceutically acceptable salt thereof.

53. (Currently amended) A method of treating cancer, the method comprising administering to a subject in need thereof an effective amount of a compound of formula (I):



(I)

wherein,

each of R₁, R₂, R₃, R₄, R₅, R₆, R₇, R₈, R₉, R₁₀, R₁₁, R₁₂, and R₁₃ is, independently, hydrogen, halo, nitro, C₁-C₆ alkyl, C₄-C₆ alkoxy, C₁-C₆ hydroxyalkyl, CONHR^a, NR^bR^c, CONH(CH₂)_mNR^bR^c, L-N(CH₂CH₂Cl)₂, or a DNA minor groove binder;

L is (CH₂)_p or O(CH₂)_q;

m is 1, 2, 3, or 4;

p is 0, 1, 2, 3, or 4;

q is 1, 2, 3, 4, 5, 6, 7, or 8;

in which, R^a is C₁-C₆ alkyl; each of R^b and R^c is, independently, hydrogen, C₁-C₆ alkyl, COR^d, or COOR^d; R^d is C₁-C₆ alkyl, C₆-C₁₀ aryl, or C₇-C₁₂ aralkyl; and

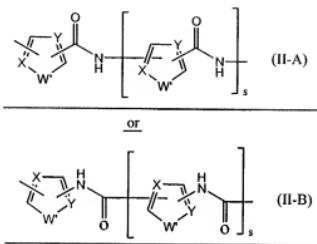
the DNA minor groove binder is -CONH(CH₂)_r-J-W-(CH₂)_tR^e, wherein:

r is 1, 2, 3, 4, or 5;

t is 1, 2, 3, 4, 5, or 6

J is -CONH- or -NHCO-;

W is a heteroaryl group having the following formula (II-A) or (II-B);



s is 0, 1, 2, 3, or 4;

W' is NR^g, O, or S;

each of X and Y is, independently, N or CR^f,

each of R^f and R^g is, independently, hydrogen or C₁-C₆ alkyl;

R^e is NR^bR^c, NHCHO, or NHC(=NH)NH₂;

each of R^b and R^c is, independently, hydrogen, C₁-C₆ alkyl, COR^d, or

COOR^d, in which R^d is C₁-C₆ alkyl, C₆-C₁₀ aryl or C₇-C₁₂ aralkyl;

and provided that at least one of R₁, R₂, R₃, R₄, R₅, R₆, R₇, R₈, R₉, R₁₀, R₁₁, R₁₂, and R₁₃ is L-N(CH₂CH₂Cl)₂; or a pharmaceutically acceptable salt thereof.